

# NEW BOOKS

J. F. GERECHT, BOOK REVIEW EDITOR

*Lipolytic Enzymes*, Hans Brockerhoff and Robert G. Jensen (Academic Press, New York, N.Y., 1974, 330 p., \$24.50).

Although lipases occur in most mammalian tissues, higher plants, insects, and microorganisms, this is the first book devoted entirely to a comprehensive survey of these enzymes that degrade lipids in biological systems. It is well written, clear, concise, and is most informative. The material is organized into eight chapters, but each chapter is subdivided into orderly sections that summarize the most significant aspects of research on lipolytic systems, e.g. assays, purification, properties, specificities, etc. Special emphasis is given to two lipases, pancreatic and phospholipase 2, because these may serve as models for all others. The authors draw upon their many years of experience studying pancreatic and microbial lipases, but they have done a thorough job of including all other lipolytic systems found in nature.

A short introduction briefs the reader on what lipases are and mentions their importance in the turnover of lipids in biological systems. The next two chapters are devoted to nomenclature and to the kinetics of lipolysis. A very comprehensive presentation of current knowledge of pancreatic lipase follows, with adequate coverage of gastric, pregastric, lingual, digestive, lipoprotein, tissue, adipose, insect, milk, plant, microbial, monoglyceride, and glycosyl-diglyceride lipases. This chapter (IV) is probably the heart of the book and devotes 150 pages to these enzymes. The next three chapters discuss present knowledge of cholesterol esterase and the phospholipases, especially phospholipase 2, but with ample coverage of phospholipases 1 and 3, sphingomyelinase, and ceramidase.

Each chapter is well referenced to the 32 pages of literature citations reviewed in preparing the book, making it an excellent reference book for those engaged in research

on all types of lipolytic systems. It should be a must for lipid biochemists, but the thorough treatment of all lipolytic systems will be useful to agricultural and food chemists, home economists, nutritionists, and clinical chemists. Also, the clear presentation of material on nomenclature and kinetics should make this an ideal textbook for graduate students in biochemistry and related fields.

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## THE BOOK SECTION

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### Two members elected to Association offices

AOCS member Zenon Redkevitch, manager chemical and by-products systems, Forest Products Division, Owens-Illinois, Inc., was elected president of the Pulp Chemicals Association at its 28th Annual Meeting.

B.D. Thomas, Jr., another AOCS member, was elected to the Association's Executive Committee. He recently was named manager of the Chemical Division for Westvaco Corp. in Charleston, S.C.

Redkevitch received his PhD degree from Georgia Institute of Technology in 1958. In addition, he holds a Masters degree in chemistry from McGill University and a B.S. in chemistry from the Massachusetts Institute of Technology. Prior to his work with Owens-Illinois, he was a chemist with the Dominion Tar and Chemical Co. At Owens-Illinois, he has served in various positions with the company and recently was transferred to the main company office in Toledo.

The Pulp Chemicals Association is the major trade association representing manufacturers of chemical products produced by, or from, products of the wood pulp industry. ■

### Jungermann receives Cosmetic Chemists Award

Eric Jungermann, vice president of research and development at Armour-Dial, Inc., has received the Society of Cosmetic Chemists Award sponsored by International Flavors & Fragrances, Inc., for the best scientific paper presented before the membership and published in the *Journal of the Society of Cosmetic Chemists* during 1974.

The title of the paper is "Antiperspirants: New Trends in Formulation and Testing Technology." In addition to a scroll, the award includes an honorarium of \$1000. The presentation was made in May in St. Louis during the Annual Seminar Meeting of the Society of Cosmetic Chemists.

Jungermann, a leading authority in the fields of cosmetic and surfactant chemistry, has over 100 patents and publications in these fields. He is also an editor of a book on *Cationic Surfactants*.

He served as general chairman of the AOCS Short Course on Soaps and Detergents in 1963 and served on all subsequent soap short course committees. He received the Award of Merit in 1971. ■